

RESOLUTION NO. 015-22R

A RESOLUTION DECLARING THE NECESSITY FOR THE CITY TO PROCEED WITH THE PROPOSED 2022 BIG ISLAND WATER WORKS (BIWW) PLANT VARIABLE FREQUENCY DRIVES REPLACEMENT PROJECT; APPROVING THE SPECIFICATIONS AND ENGINEER'S ESTIMATE OF COST THEREOF; AND DIRECTING THE CITY MANAGER TO ADVERTISE FOR AND RECEIVE BIDS IN RELATION THERETO; AND DECLARING THAT THIS RESOLUTION SHALL TAKE IMMEDIATE EFFECT IN ACCORDANCE WITH SECTION 14 OF THE CITY CHARTER.

WHEREAS, BIWW and Engineering Staff have been working on a proactive project to replace the variable frequency drives (VFD's) at the BIWW Plant that control several high and low service pumps and are used to allow the pumps to throttle up and down slowly to reduce the possibility of water hammer, which is a main reason that pumps or pipes burst; and

WHEREAS, the 2022 Big Island Water Works Plant Variable Frequency Drives Replacement Project involves the replacement of five (5) VFDs of which four (4) were installed in 2005 and one (1) in 1999, and includes installation and the five (5) VFDs to be replaced are listed below:

VFD #	PUMP CAPACITY	VFD MAKE/MODEL #	PUMP LOCATION SERVED BY VFD	YEAR INSTALLED	OPERATIONAL
LSP#18	12 MGD	Allen-Bradley Powerflex 700	SCREEN BUILDING	2005	YES
LSP #20	12 MGD	Allen-Bradley Powerflex 700	SCREEN BUILDING	2005	NO-FAULTED OUT
LSP #21	8 MGD	Allen-Bradley Powerflex 700	SCREEN BUILDING	2005	YES
LSP #12	9 MGD	Allen-Bradley Powerflex 700	1939 Wetwell	2005	YES
HSP #4	6 MGD	Allen-Bradley 1336	24-in High Service	1999	NO-FAN IS CURRENTLY BEING REPLACED

WHEREAS, the total estimated cost for this project including engineering, inspection, advertising, construction, and miscellaneous costs is \$540,000.00 and will be paid with Water Funds; and

WHEREAS, approval is being requested in companion legislation for the emergency purchase and installation of a new Allen-Bradley VFD for the #5 High Service Pump at BIWW which was installed in 1999 and failed in December 2021; and

WHEREAS, this Resolution should be passed as an emergency measure under suspension of the rules in accordance with Section 14 of the City Charter in order to bid the project to allow the work to begin as soon as possible to ensure future demands are met in the event of a problem with another VFD; and

WHEREAS, in that it is deemed necessary in order to provide for the immediate preservation of the public peace, property, health, and safety of the City of Sandusky, Ohio, and its citizens, and to provide for the efficient daily operation of the Municipal Departments, including the Department of Public Works, of the City of Sandusky, Ohio, the City Commission of the City of Sandusky, Ohio, finds that an emergency exists regarding the aforesaid, and that it is advisable that this **Resolution** be declared an emergency measure which will take immediate effect in accordance with Section 14 of the City Charter upon its adoption; and NOW, THEREFORE

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF SANDUSKY, OHIO, THAT:

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Section 1. The specifications and estimates of cost as prepared by the Director of Public Works and submitted to this City Commission, and which are now on file in the offices of the Director of Public Works and the Clerk of the City Commission, for the proposed 2022 Big Island Water Works Plant Variable Frequency Drives Replacement Project, be and the same hereby are approved by this City Commission.

Section 2. This City Commission hereby declares it necessary to proceed with the proposed 2022 Big Island Water Works Plant Variable Frequency Drives Replacement Project at the earliest possible time.

Section 3. The City Manager is authorized and directed to advertise for and to receive bids in relation to the proposed 2022 Big Island Water Works Plant Variable Frequency Drives Replacement Project as required by law.

Section 4. If any section, phrase, sentence, or portion of this Resolution is for any reason held invalid or unconstitutional by any Court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

Section 5. This City Commission finds and determines that all formal actions of this City Commission concerning and relating to the passage of this Resolution were taken in an open meeting of this City Commission and that all deliberations of this City Commission and of any of its committees that resulted in those formal actions were in meetings open to the public in compliance with the law.

Section 6. That for the reasons set forth in the preamble hereto, this Resolution is hereby declared to be an emergency measure which shall take immediate effect in accordance with Section 14 of the City Charter after its adoption and due authentication by the President and the Clerk of the City Commission of the City of Sandusky, Ohio.



RICHARD R. BRADY
PRESIDENT OF THE CITY COMMISSION



ATTEST:

CATHLEEN A. MYERS
CLERK OF THE CITY COMMISSION

Passed: February 14, 2022